

SPRAYING OF FRUIT TREES

PROCESS INCREASES YIELD SAY THE ORCHARDISTS.

A List of Spraying Mixtures, Together With Methods of Preparation and Time of Application Given.

The following is clipped from the Grati County News: A good many people believe that the process of spraying fruit trees is resorted to only as a means of destroying pests, or, possibly, preventing them. But practice in many parts of the country has proven that one of the most valuable results of spraying is to increase the yield. Experiments made by the government experts show that when one half of a tree is sprayed and the other half not, almost double the normal yield is gathered from the side that was sprayed. Of course the quality is much superior.

Plant lice like sheep scabbies, draw their living from the body that is infected. Every particle of parasite taken to support the vitality, lessens by just so much the vitality of the body, be it that of a plant or of an animal. Thus, in trees, substance that should go to the making of fruit is converted into body material for the pest, and the fruit crop must suffer to that extent. And these minute enemies are always present in greater or less quantities. Thus killing them with sprays destroys the source of "graft" and turns them and other extraneous substances into fertilizer.

In order to accommodate those who might wish to give this inexpensive process a trial, a list of spraying mixtures, together with methods of preparation and time of application, is published following:

COPPER SULPHATE

The copper sulphate mixture, generally known as bluestone, is made by dissolving one pound of sulphate in 20 gallons of water, more or less according to strength required. It is used to kill fungus growths, and only before foliage comes, about the middle of March. Mosses, blights, weak vitality, are brought to rights at once.

PARIS GREEN

This mixture is used in both wet and dry form. For wet, Paris green, 1 pound, lime 1/2 pound, water 50 gal. Dry, Paris green, 1 pound, lime or flour 30 pounds. It is applied on foliage to destroy all biting insects, as caterpillars, worms and bugs. Or, it may be mixed with a weak Bordeaux mixture, and applied as fruit is attacked.

KEROSENE EMULSION

Dissolve 1/2 pound of hard soap in one gallon boiling water, and stir in two gallons of kerosene. This is too strong to use, but may be diluted to required strength. In general, making about a 15 per cent solution. It is to be used on the foliage, for soft bodied sucking insects, many a which are so small to be seen. It is a great fertilizer to the leaves.

BORDEAUX MIXTURE

The most highly valued of all sprays for general use, is the Bordeaux mixture. The ingredients are easily remembered by the number "5-5" appearing in the formula—Bluestone, 5 pounds; unstacked lime 5 pounds; water 50 gallons. Dissolve the blue stone in 25 gallons of water. Slack the lime slowly, getting a cream-like substance. Then add the remainder of the 25 gallons of water and mix with the bluestone solution. Use full strength before leaves open, and half strength or less, after the tree is in leaf. It is a remedy for blight, mild, fungi, moths, etc. Its worst fault is that it leaves spots on the foliage.

AMMONIA COPPER

In order to supply a good spray when fruit is formed, the Copper-Ammonia carbonate is recommended for the same purpose as the Bordeaux. It will not deface the tenderest foliage.

Dissolve five ounces of copper carbonate in just as little ammonia as will take it up. This is about two pints. This is enough for 50 gallons of water, but should be kept pretty corked and diluted to that strength as needed. Most of the other sprays must be used soon after making.

OTHER VEGETATION

What has been said as to the

H. K. BROWN FOR GOVERNOR

REFORM SHERIFF OF BAKER COUNTY AFTER PLACE.

Out Subject to the Republican Voters and Not The Machine at The Primary Election April 20.

(Baker City Herald.)

Harvey K. Brown, for the past four years sheriff of Baker county, announces himself a candidate for the nomination for governor on the republican ticket subject to the voters and not the machine of the party at the primaries on April 20, 1906.

His platform is as follows:

The primary law and the election of all officers by direct vote of the people.

Abolishment of all machines and bosses and let the people rule.

Enforcement of all laws, city, county, state and United States and the repealing of the same if not the proper laws for the people.

The abolishment of the use of money for campaign funds and purposes by any candidate, faction or corporation, only as actual legitimate expenses.

And last but not least, woman suffrage.

HARVEY BROWN'S STATEMENT.

I believe in our new primary law because it gives the people a chance to select who they want; they are not compelled now to take what the old machine and bosses put up for them at the old convention.

I am a Roosevelt republican who in my opinion is one man who is strictly honest and one that money does not tempt and I think it time the republicans of Oregon were turning down the old machines and bosses and getting in line with the people because if they do not they will turn them all down as they have evidently done in Portland, and get men from another party who will do as the people want done.

The use of money for campaign purposes I am strictly opposed to, only as actual legitimate expenses. Because people for the right don't put up money for that purpose but corporations, wholesale and retailers in illegitimate business and gamblers will put up money to no limit to hold onto and further their interests in the city, county, state and the United States. And if they don't put up the money and a candidate does he generally, as past records will show, by grafting or using public money will go wrong, always to the detriment of the party and the people at large.

And here I want to urge the republican party in every county to nominate the right kind of men for senators and representatives to be voted on at the next general election.

Now last of all but not least, woman suffrage. I believe in it because if a mother is capable of raising a boy from the cradle to manhood she is also capable of voting and helping to make laws that help govern the boys after they are men. And if any one in the world has any influence over men for the betterment of mankind and good government it is a good mother, wife, daughter, sister or sweetheart, and we will all have to admit there is a very large majority of this kind of women in our glorious old Oregon, my native state.

Now as for my record it is here in Baker county, from childhood. And as to my record as sheriff I have done the best I could for the people under the circumstances and can say I am one man that is just as free today as I was the day I went in office and I will admit I am no orator or public speaker but one of the best single handed talkers in this county on these subjects and I expect some great criticism from our learned men of the state.

These few reasons for my platform are from my own personal experience and is the outcome of my going into office as sheriff of Baker county, determined to find out the reason why our laws were not enforced and why a majority of all officers go wrong.

One of the people, HARVEY K. BROWN.

SHIPPING LIVESTOCK.

A Washington dispatch says: Senator Warren, was authorized by the senate committee on agriculture to report favorably on the Hayburn bill to prevent cruelty to animals while in transit by the railroad. This bill, which has had the in-

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COUNTY HEALTH OFFICERS APPOINTED UNDER NEW LAW.

Opinion Given at Request of State Health Board—Plans Fall to Lucky Physicians—Latest Ruling.

A Salem dispatch to the Oregonian says: Attorney-General Crawford today rendered an opinion holding that it is mandatory upon county courts to appoint county health officers under the provisions of the act of 1905. That act declares that the county judge and commissioners shall constitute a county board of health and shall employ a secretary, who must be a graduate of a reputable medical college and a regularly licensed physician. The secretary shall be the health officer of the board and shall receive from the county quarterly 1 1/2 cents per capita for the population of the county up to 50,000 people, the population being determined by multiplying the number of school age by four.

As this compensation will amount to 6 cents per capita per year, the office created by that act will be a desirable one in a number of counties of the state. The same act requires the city council of every incorporated town to employ a health officer at the same rate of compensation.

No county can pay its health officer less than \$100 a year, and no city or town less than \$10. So far none of the counties seem to have paid any attention to the law, but as this opinion was rendered at the request of the Secretary of State and Board of Health, it is probable that county courts will be compelled to observe it.

Attorney-General Crawford says that mandamus proceedings can be brought to compel county courts to act under the law.

The duty of the Health Officer is to keep vital statistics, see that regulations of the State Board of Health are observed, and look after the general health conditions of the county or city.

Demand for Draft Horses.

Three carloads of horses passed through the city this morning from eastern Oregon to Walla Walla, where they will be placed on the market, says the East Oregonian. They were all heavy draft horses and will be sold to contractors working on the north bank railroad.

The shipments were made by the following parties: Ellis Rinehart, one carload from Imbler, Union county; Dunham, one carload from Huntington and Moreley, one carload from Huntington, Walla Walla horsemen are now buying heavy horses all over Eastern Oregon and the market in that city is said to be very good.

Ladies' velvet topped shoes—Fred Haines & Co.

Street hats at greatly reduced prices at Mrs. C. A. Byrd's.

Buying Cattle in Idaho

A. A. Robbins, Walter M. Glenn and Thomas J. Lockett purchased in Emmett, Idaho, 270 head of cattle last week, says a Vale dispatch. Among animals bought were several Jerseys and Holsteins, and the price averaged \$13.25 a head. The cattle will be moved to the Malheur ranges. Stockmen near Emmett are short of hay and are selling their cattle at a remarkably low figure.

WANTED—Agents, Hustlers Salesmen, Clerks and everybody who wants to enjoy a good hearty laugh to send 50c for "Time to Agents." Worth \$50 to any person who sells goods for a living. If not satisfactory your money back. Circular for stamp. The Dr. White Electric Comb Co., Decatur, Ill.

Frightfully Furred.

Chas W Moore, a machinist, of Ford City, Pa, had his hand frightfully burned in an electrical furnace. He applied Bucklen's Arnica Salve with the usual result: "A quick and perfect cure." Greatest healer on earth for Burns, Wounds, Sores, Eczema and Piles. 25c at the City Drug Store.

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